

# **METHOD FOR SCREENING COMPOUNDS USING CONSENSUS SELECTION**

## **ABSTRACT OF THE DISCLOSURE**

A method for screening compounds for biological activity is disclosed. In one embodiment, a test library of compounds is selected. Then, a first analytical model is formed using a first recursive partitioning process using a digital computer. The first recursive partitioning process is performed on at least some of the compounds in the test library of compounds. Subsequent analytical models are formed using subsequent recursive partitioning processes using the digital computer. The subsequent recursive partitioning processes are performed on at least some of the compounds in the test library of compounds. Then, a consensus compound set is determined using the first analytical model and one or more of the subsequent analytical models.

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